Reviewer’s report

Title: Sero-Prevalence of Hepatitis B Virus and Associated Factors among Pregnant Women in Gambella Hospital, South Western Ethiopia: Facility based cross-sectional study

Version: 0 Date: 01 Aug 2018

Reviewer: Joseph Sasadeusz

Reviewer's report:

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This is a cross sectional study of HBsAg seroprevalence in a city in Ethiopia. The authors document a 7.9 % prevalence rate which is concordant with other studies in the region

The authors then attempt to define risk factors for transmission and deduce by logistic regression that these include a history of abortion, occupation and multiple sexual partners.

The most common factor in transmission in endemic countries is vertical and horizontal transmission. As such it is notable that a family history of HBV is not included in the analysis and may have resulted in the other parameters becoming non significant . Moreover the conclusions are based on very low numbers which will likely makes these invalid

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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Unable to assess

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No

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